

## Abstract

There is disclosed an oxidase gene useful for the diagnosis of RA and the screening of a substance for the treatment of RA and/or a substance for the treatment of osteoarthritis. Also, an inspection method useful as a diagnosis method for RA is disclosed. Additionally, there is disclosed a method for screening a substance for the treatment of RA and/or a substance for the treatment of osteoarthritis, using the aforementioned novel oxidase gene.

Also disclosed is a method for producing a pharmaceutical composition for the treatment of RA and/or the treatment of osteoarthritis which comprises an inhibitor of the aforementioned oxidase, which is obtainable by the aforementioned screening method, as an active ingredient.